

**PROVISIONING SYSTEM AND METHOD FOR AUTO-DISCOVERING
CUSTOMER PREMISES EQUIPMENT IN ACTIVATING xDSL**

ABSTRACT OF THE DISCLOSURE

The present invention provides for provisioning broadband services using a VDSL-based communication network. The present invention includes a system architecture and method for automatically activating VDSL service by self-discovering customer premises equipment, such as a residential gateway, by determining the loop associated with a user and the subscribed content to be delivered to the user.

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